



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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The Eastern Iowa DX Bulletin

Number 298, October 31, 2025

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

This bulletin is available via email subscription only. See

<http://www.arrl.org/bulletins> to subscribe. (The online archive is no longer updated.)

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

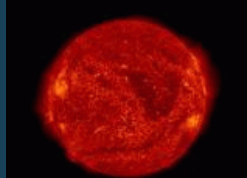
Dr. Tony Phillips' [SpaceWeather.com](#), used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

01 Nov 2025 1716 GMT
SFI:125 SN: 33
A-Index: 25
K-Index: 3
X-Ray: C4.1
304A: 127.7 @ SEM
Ptn Flx: 106
Elc Flx: 3450
Aurora: 4/n=1.99
Mag (Bz): 1.6
Solar Wind: 526.2
Geomag Field UNSETTLD
Sig Noise Lvl S2-S3
Current Solar Image



<http://www.norbh.com>
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DX News

4X, ISRAEL. Special callsigns **4XØVK** (October 31st - November 1st), **4XØZL** (November 7th-8th) and **4XØUK** (November 10th-11th) are three radio field operations commemorating the British and ANZAC forces that fought during World War I in pre-state Israel. QSL all stations via [4X6ZM](#).

-[425DXN # 1799 October 25, 2025] (1031-1114)

5H, TANZANIA. Maurizio, IK2GZU will be active again as **5H3MB** from Tanzania from **October 16th to November 20th**, while doing volunteer work at a local school. In his spare time, he will operate SSB, CW and digital modes on 80-10 meters. QSL via [ClubLog's OQRS](#), LoTW, and eQSL, or via [IK2GZU](#).

-[425DXN # 1795 September 27, 2025] (1010-1121)

5R, MADAGASCAR. Silvano, I2YSB and the Italian DXpedition Team (I1FQH, I1HJT, I2PJA, IK2CKR, IK2HKT, IK2RZP and IV3ZXQ) will be active as **5R8TT** (CW, SSB and RTTY) and 5R8XX (FT8) from Nosy Be (AF-057), Madagascar from **October 29th to November 12th**. They will run four stations on 160-6 meters. See <https://www.i2ysb.com/idx/> for more information, including band plan, OQRS for direct cards and the new DXpedition Awards. QSLs direct to [I2YSB](#).
-[425DXN # 1789 August 16, 2025] (1024-1114)

6O, SOMALIA. The 6O3T DXpedition failed to get on the air in September 2024, with the operators describing that experience as "definitely traumatic". Now a new team (Fabrizio IV3JPP, Mauro IV3AZV and Elvira IV3FSG), with "a renewed awareness of the territory and a stronger operational strategy", has been active as **6O3T** from northern Somalia **since October 20th**. They have five stations for activity on 160-6 meters FT8 (MSHV), SSB and CW, but so far they have operated almost exclusively FT8: "we are facing a very high level of local QRM, with background noise consistently above S9" they say, "which makes it extremely difficult to properly copy signals and manage an effective pile-up". None of the various mitigation solutions that have been tested, including filtering systems, improved grounding and antenna setup checks, has produced a significant improvement. "In the coming days, we will continue to test new configurations and operating strategies, with the goal of returning to CW and SSB as soon as conditions make it realistically possible". Plans are for 6O3T to remain active **until November 3rd**. Bookmark <https://dxexplorer.net/> for updates. QSL via [ClubLog's OQRS](#), or direct only to [IV3DSH](#); full upload to LoTW 12 months after the DXpedition.
-[425DXN # 1799 October 25, 2025] (1024-1107)

7P, LESOTHO. Wolfgang, HB9CCS will be active in his spare time as **7P8EA** from Thaba-Tseka, Lesotho on **November 3rd-27th**. He plans to be QRV daily between 1600 and 1900 UTC on or around 21223 kHz (SSB) or 21050 kHz (CW). He might also be active on 17, 12 or 10 meters. QSL via [HB9CCS](#).
-[425DXN # 1797 October 11, 2025] (1031-1128)

7Q, MALAWI. Chris, ZS6RI has been active as **7Q5C** from near Karonga in northern Malawi since October 28th. **For the next year or two**, he will be working there on a six-week on/off rotation, with planned activity on 40-10 meters "99% CW" during his spare time. Paper QSLs will not be issued, however QSOs will be uploaded to LoTW, QRZ Logbook and ClubLog.
-[425DXN # 1800 November 1, 2025] (1031-1121)

8R, GUYANA. Aldir, PY1SAD will be active again as **8R1TM** from Guyana from **October 29th to December 7th**. He operates CW, SSB and digital modes on 160-6 meters, typically between 2300 UTC and 0200 UTC, and longer over the weekends. QSL via LoTW, eQSL, QRZ Logbook, or direct to [PY1SAD](#).
-[425DXN # 1800 November 1, 2025] (1031-1212)

9G, GHANA. DL1CW is going to operate as **9G5ZZ** **during November**, including the CQ WW DX CW Contest (November 29th-30th). QSL via [DL1CW](#).
-[DXNL # 2482 October 29, 2025] (1031-1205)

9L, SIERRA LEONE. Members of the Mediteraneo DX Club will be QRV as **9L8MD** from **October 29th to November 10th**, with a side trip to Banana Island, IOTA AF-037, and active as **9L9L** from **November 2nd to 5th**. Activity will be on 40 to 6 meters. QSL via [IK2VUC](#), full QSL information at [9L8MD](#).
-[ARRL DX Bulletin # 43 October 23, 2025] (1024-1114)

9U, BURUNDI. Several members of the Russian DX Team will be active as **9U1RU** from Burundi from **October 29th to November 19th**, with "full-scale on-air operation" from October 31st to November 17th. Plans are to operate CW, SSB and FT8 (MSHV) with at least seven high-power stations on 160-6 meters. Bookmark <https://www.rudxt.org/9u1ru> for more information and updates. QSL via [ClubLog's OQRS](#).
-[425DXN # 1775 May 10, 2025] (1024-1121)

C2, NAURU. Phill, **C21TS** now expects to remain on Nauru (OC-031) **until November 30th**. After a 2-month leave, "I'll probably be back for a few months from February 2026 with minimal gear", he says. He will be QRT for good no later than June 2026. QSL via LoTW, or via [MØOXO's OQRS](#).
-[425DXN # 1795 September 27, 2025] (0926-1130)

C5, THE GAMBIA. Luc, F5RAV as **C5LT** and Lui, YT3PL/YU5R as **C5R** will be active again from the Gambia from **October 18th to November 7th**. They will operate CW, SSB and FT8/FT4 on various bands, and will participate in the CQ WW DX SSB Contest (October 25th-26th) as **C5R**. Luc and Lui are carrying on a humanitarian project to raise funds for the construction of new classrooms for children aged between 3 and 5: <https://www.facebook.com/61572930010269>. QSL C5LT direct to [F5RAV](#) and C5R direct to [YU5R](#)
-[425DXN # 1797 October 11, 2025] (1017-1107)

CE9, ANTARCTICA. David, F4FKT will be active again from Antarctica from **November until early February 2026**. Main activity will be during his spare time as **FT4YM/p** from Concordia Station (AN-016), operating SSB and digital modes. In addition, he might be QRV as **FT4YM** from Dumont d'Urville on Petrels Island (AN-017). Updates will be posted to <https://ft4ym.fr/actus>. QSL via [F5PFP](#).
-[425DXN # 1799 October 25, 2025] (1031-1212)

CE9, ANTARCTICA. Alex, UG1A, is preparing for his next trip to Antarctica. He plans to reach the Progress base on **October 20th** and remains there **until December 5th**. Next stop will be Vostok **until December 20th**; maybe with HF operating during the transit. While on Vostok there may also be an opportunity to visit Ridge B, a yet to be explored area up to 3800m asl. This season Alex signs **RI1ANI** from Antarctica.
-[DXNL # 2481 October 22, 2025] (1024-1219)

CN, MOROCCO. Members of the Association Royale des Radio Amateurs du Maroc will be active on various bands and modes as **CN5ØMS** on **November 1st-8th**. In addition, CN amateurs can use the prefix **5C5Ø** (e.g. 5C5ØAM for CN8AM) during the same time frame. The special callsign and prefix commemorate the 50th anniversary of the so-called Marche Verte (Green March), a mass demonstration in support of the restoration of the Moroccan Sahara and the conclusion of the Spanish colonial rule. QSL via operator's instructions.
-[425DXN # 1800 November 1, 2025] (1031-1107)

CN, MOROCCO. Eddy, OE3SEU will be active as **CN2SE/p** while touring Morocco in his motorhome from **November 1st to December 7th**. Activity will be on the QO-100 satellite. Follow his travels - and give a look at dozens of stunning pictures - on <https://we-travel.at/>. QSL via LoTW.
-[425DXN # 1799 October 25, 2025] (1031-1212)

CP, BOLIVIA. Members of the Yaguarete DX Group (LU1FM, LU1HF, LU3FR, LU5HPM, LU6FOV, LU6HGH and LU9FHF) will be active as **CP7DX** from Tarija, Bolivia from **October 31st to November 10th**. They will operate SSB and FT8 on 160-6 meters, as well as via EME. See <https://jvp-antenas.com.ar/cp7dx/> for more information. QSL via [ClubLog's OQRS](#), or direct to [LU1FM](#).
-[425DXN # 1797 October 11, 2025] (1031-1114)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of October 31, 2025:

1. P5	DPRK (North Korea)	11. VKØM	Macquarie Island
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. PYØS	Saint Peter And Paul Rocks
4. BV9P	Pratas Island	14. KP5	Desecheo Island
5. KH7K	Kure Island	15. VPØS	South Sandwich Islands
6. KH3	Johnston Island	16. ZL9	New Zealand Subantarctic Islands
7. 3Y/P	Peter 1 Island	17. FK/C	Chesterfield Islands
8. FT5/X	Kerguelen Island	18. VKØH	Heard Island
9. YVØ	Aves Island	19. FT/T	Tromelin Island
10. 3Y/B	Bouvet Island	20. EZ	Turkmenistan

For the complete list, see <https://clublog.org/mostwanted.php>
-[KØCF October 31, 2025] (1031-1121)

EA, SPAIN. Members of the Radio Club del Tarragones (EA3RCY) will be active as **AO25TWHS** on **November 1st-30th**. The special callsign celebrates the 25th anniversary since the Archaeological Ensemble of Tarraco (modern-day Tarragona) was inscribed on the UNESCO World Heritage List. A certificate will be available on <https://ao25twhs.ea3rcy.org>. QSL via LoTW.
-[425DXN # 1799 October 25, 2025] (1031-1128)

FS, SAINT MARTIN. Following their Montserrat operation, Irina, DL8DYL and Ralf, DL9DRA are going to move on to St. Martin from **November 2nd to 9th**, operating as **FS/DL8DYL** and **FS/DL9DRA**.

-[DXNL # 2481 October 22, 2025] (1031-1114)

FW, WALLIS & FUTUNA IS. The DX Obsessed Group (K6VHF, KA6BIM, W7HER, NG7E, N7JI, and NC7M) will be active as FW5K from Wallis Island (OC-054) from **October 20th to November 7th**. They will also participate in the CQ WW DX SSB Contest (October 25th-26th). QRV with 3 rigs on 160-6m. (Note from 425DXN: team members also hold personal callsigns: K6VHF is **FW1NA**, KA6BIM is **FW6N**, W7HER is **FW7H**, N7JI is **FW7SR** and NG7E is **FW7Z**) See <https://www.dxobsessed.org/home> for more information. QSL via [ClubLog's QQRS](#), LoTW after 6 months.

-[DXNL # 2480 October 15, 2025] (1017-1107)

FY, FRENCH GUIANA. Renato, PY8WW, is QRV as **FY/PY8WW** from Saul. Activity is on the HF bands using mostly FT8. QSL via LoTW.

-[ARRL DX Bulletin # 42 October 16, 2025] (1017-1107)

G, ENGLAND. Special callsign **GB5ØAUK** celebrates the 50th anniversary of AMSAT-UK (<https://amsat-uk.org>) on **November 1st-28th**. QSOs will be uploaded to at least eQSL and the QO-100 DX Club.

-[425DXN # 1799 October 25, 2025] (1031-1128)

G, ENGLAND. Special event station **GB13ØWRD** will be active across various bands and modes **throughout November**, especially around World Radiography Day. Celebrated annually on November 8th, WRD marks the anniversary of the discovery of X-rays by Wilhelm Roentgen in 1895. QSL direct to [MØKZT](#).

-[425DXN # 1799 October 25, 2025] (1031-1128)

H4, SOLOMON IS. Bernhard, DL2GAC, is QRV as **H44MS** from Malaita Island (OC-047) **until November 25th**. Activity is on 80 to 6 meters using SSB and FT8. QSL to [DL2GAC](#).

-[ARRL DX Bulletin # 41 October 9, 2025] (1010-1128)

HB9, SWITZERLAND. Celebrating the 70th anniversary of their organization, members of the International Police Association's Swiss branch (HB9IPA) will be active as **HB7ØIPA** from **November 1st to December 31st**. Activity will be on various HF bands and the QO-100 satellite. QSL via LoTW.

-[425DXN # 1797 October 11, 2025] (1031-1128)

HC8, GALAPAGOS. Edgar, K2IN, will operate CW as **HC8M** from San Cristobal, Galapagos Islands (SA-004) from **October 22nd until November 4th**. He will change to **HD8R** for the CQ WW DX SSB Contest (**October 25th-26th**). QSL for both callsigns via [MØOXO's QQRS](#).

-[425DXN # 1799 October 25, 2025] (1024-1107)

HKØ, SAN ANDRES & PROVIDENCIA. Team **5KØUA** (HK1T, HJ1YL, K2BB and UUØJR, plus possibly US7UX, VA2WA and WB2AA) will be active from San Andres Island (NA-033) from **October 15th to November 3rd**. They will operate CW, SSB and FT8 on 160-10 meters, and will participate in the CQ WW DX SSB Contest (October 25th-26th). See <http://imdx.org/> for more information. QSL via [ClubLog's QQRS](#) and LoTW.

-[425DXN # 1797 October 11, 2025] (1010-1107)

J6, SAINT LUCIA. K9CMM and KB9AX sign **J68HZ** from **October 31st to November 6th**. QSL via [K9HZ](#), LoTW

-[DXNL # 2482 October 29, 2025] (1031-1107)

J8, ST. VINCENT. Brian, GW4DVB, will be active as **J88PI** from **October 28th to November 5th**. QRV on 40-6m (SSB, SSTV, FT8) with 100W. QSL direct via [GW4DVB](#).

-[DXNL # 2481 October 22, 2025] (1024-1107)

JD1/O, OGASAWARA. Once again Harry, JG7PSJ will be active as **JD1BMH** from Chichijima (AS-031), Ogasawara on **November 1st-9th**. He will operate CW, SSB and RTTY on 40-10 meters. Log search on <https://ss381094.stars.ne.jp/jd1bmh/>. QSL via JD1BMH (bureau), or direct to [JG7PSJ](#).

-[425DXN # 1799 October 25, 2025] (1031-1114)

JD1/O, OGASAWARA. Kou, JP1IHD will be active again as **JD1BQP** (<https://x.com/jd1bqp>) from Chichijima (AS-031), Ogasawara from **October 19th until November 2nd**. Activity will be focused on 6 meters, but he will also participate in the CQ WW DX SSB Contest (October 25th-26th). QSOs will be uploaded to LoTW and ClubLog; QSL via [JP1IHD](#) (direct) or JD1BQP (bureau).
-[425DXN # 1796 October 4, 2025] (1017-1107)

KHØ, MARIANA IS. Harry, JG7PSJ, is QRV as **WHØRU** from Saipan, IOTA OC-086. Activity is on 40 to 10 meters using CW, SSB, and RTTY. This includes being an entry in the CQ Worldwide DX SSB contest (**October 25th-26th**). QSL direct to [JG7PSJ](#).
-[ARRL DX Bulletin # 43 October 23, 2025] (1024-1107)

KH2, GUAM. Yokoi, JI3CEY, will be QRV as **KH2/JI3CEY** from **November 1st to 3rd**. Activity will be on the HF bands and 6 meters. QSL to [JI3CEY](#).
-[ARRL DX Bulletin # 44 October 30, 2025] (1031-1107)

LX, LUXEMBOURG. Special callsigns **LX25GDH** (**September 3rd - October 3rd**) and **LX25GDG** (**October 3rd - November 3rd**) are the for Radioamateurs du Luxembourg (RL, Luxembourg's IARU society) to mark the "Trounwiessel" - the accession to the throne of Prince Guillaume, who is set to become Grand Duke on October 3rd upon the abdication of his father the Grand Duke Henri. QSL via [ClubLog's OQRS](#).
-[425DXN # 1792 September 6, 2025] (0905-1107)

ON, BELGIUM. Special callsign **OT5IDPD** will be active from **November 4th to December 3rd** for the International Day of Persons with Disabilities, whose annual observance (December 3rd) was proclaimed by the United Nations General Assembly in 1992. All operators will be hams with a disability. The logs will be uploaded to LoTW, ClubLog and eQSL; all QSOs will be confirmed automatically via the bureau.
-[425DXN # 1795 September 27, 2025] (1031-1205)

ON, BELGIUM. The ONZ Oostkust Radioclub (ON6HC) will be active on all bands and modes as **OR81C** from **October 15th to November 14th** to commemorate the 81st anniversary of the liberation of the region of Knokke-Heist by Canadian troops in 1944. A certificate will be available: <https://www.onz.be/or81c-award-request/>. QSL via eQSL.
-[425DXN # 1797 October 11, 2025] (1010-1114)

PACIFIC TOUR. Rudi, DK7PE's third Pacific DXpedition (**October 27th - November 19th**) will include activity from Guam (**KG6/AHØG**), Palau (**T8??**), Micronesia (**V6CW**), the Marshall Islands (**V73RK**), and possibly Western Kiribati (**T3ØRK**). He will operate CW only with 100 watts and wire antennas. Details will be posted to <https://www.roody.de/>. QSLs via [DK7PE](#).
-[425DXN # 1799 October 25, 2025] (1024-1121)

PY, BRAZIL. Special callsign **PV2RB** by the Liga de Amadores Brasileiros de Radio Emissao (LABRE) celebrates Brazilian Radioamateur Day on **November 1st-9th**. A certificate will be available, see [PV2RB](#) for information. The Dia do Radioamador Brasileiro marks the anniversary of the entry into force of the first Brazilian Amateur Radio regulations (November 5, 1924). QSL via LoTW.
-[425DXN # 1799 October 25, 2025] (1031-1114)

PY, BRAZIL. Team **PR5M** will be active from Ilha do Mel (SA-047) on **November 6th-9th**. They will operate CW and SSB on 10, 15 and 20 meters (maybe also on 30m). QSOs will be uploaded to ClubLog. QSL via [PP5BZ](#).
-[425DXN # 1799 October 25, 2025] (1031-1114)

T8, PALAU. Current/upcoming activities from Koror (OC-009), Palau include JH1OLB as **T88DT** on **October 24th-30th**, mainly during the CQ WW DX SSB Contest (October 25th-26th), JR1FKR as **T88TJ** on **November 1st-6th**, and JH1MLO as **T88HR** on **November 1st-6th**. QSL T88DT via LoTW, QSL T88TJ via [JR1FKR](#) and LoTW, QSL T88HR via [JH1MLO](#).
-[425DXN # 1799 October 25, 2025] (1024-1107)

TL, CENTRAL AFRICA. Darek, TJ1GD, is QRV as **TL8GD** for the foreseeable future. Activity is on the HF bands using CW, SSB, and FT8. QSL via [ClubLog's OQRS](#) (preferred), LoTW, or via [SP3EOL](#).

-[ARRL DX Bulletin # 44 October 30, 2025] (1031-1121)

TR, GABON. Roland, F8EN will be active again as **TR8CR** from Gabon starting on **October 25th for two months**. He will operate CW only. Log search on <http://LesNouvellesDX.fr/voirlogs.php>. QSL via [F6AJA](#).

-[425DXN # 1799 October 25, 2025] (1024-1219)

V7, MARSHALL IS. Randy, KX4QD, is back on Kwajalein (OC-028) and gets on the air as **V73AX** during his spare time from the club station on the island. That station now has a newly installed LogPer antenna and amplifier. QSL via qrz.com.

-[DXNL # 2482 October 29, 2025] (1031-1121)

V8, BRUNEI DARUSSALAM. Commemorating the centenary of the International Amateur Radio Union, special event station **V84SRU** will be active on all bands and modes from **October 24th to November 26th**. QSL direct to P.O. Box 211, MPC Old Airport, Bandar Seri Begawan BB3577, Brunei Darussalam.

-[425DXN # 1798 October 18, 2025] (1024-1128)

VP8, FALKLAND IS. Hackl, DL7HW, will be QRV as **VP8THW** from Stanley from **November 1st to 22nd**. Activity will be on 20 to 10 meters using SSB and FT8. QSL via LoTW.

-[ARRL DX Bulletin # 44 October 30, 2025] (1031-1107)

YL, LATVIA. Special callsign **YL1ØØLR** by members of the Latvian Radio Amateur League (LRAL) marks the centenary since Latvijas Radio began broadcasting on November 1, 1925. Look for YL1ØØLR to be active from **October 24th to November 2nd**. QSO will be uploaded to LoTW, eQSL, QRZ Logbook and ClubLog. Paper QSLs will not be provided.

-[425DXN # 1799 October 25, 2025] (1024-1107)

Z6, REPUBLIC OF KOSOVO. Milan S58MU as **Z68MU** and Silvo S5ØX as **Z68WW** will be active from Gjilan, Kosovo from **October 23rd to November 3rd**. They will operate SSB and CW on 160-10 meters, including an entry as **Z68MU** in the CQ WW DX SSB Contest (October 25th-26th). On November 1st-2nd, during the IPARC Contest (<https://dl0ipa.darc.de/Contest.htm>) they will operate as **Z66IPA**. QSL via [S58MU](#).

-[425DXN # 1798 October 18, 2025] (1017-1107)

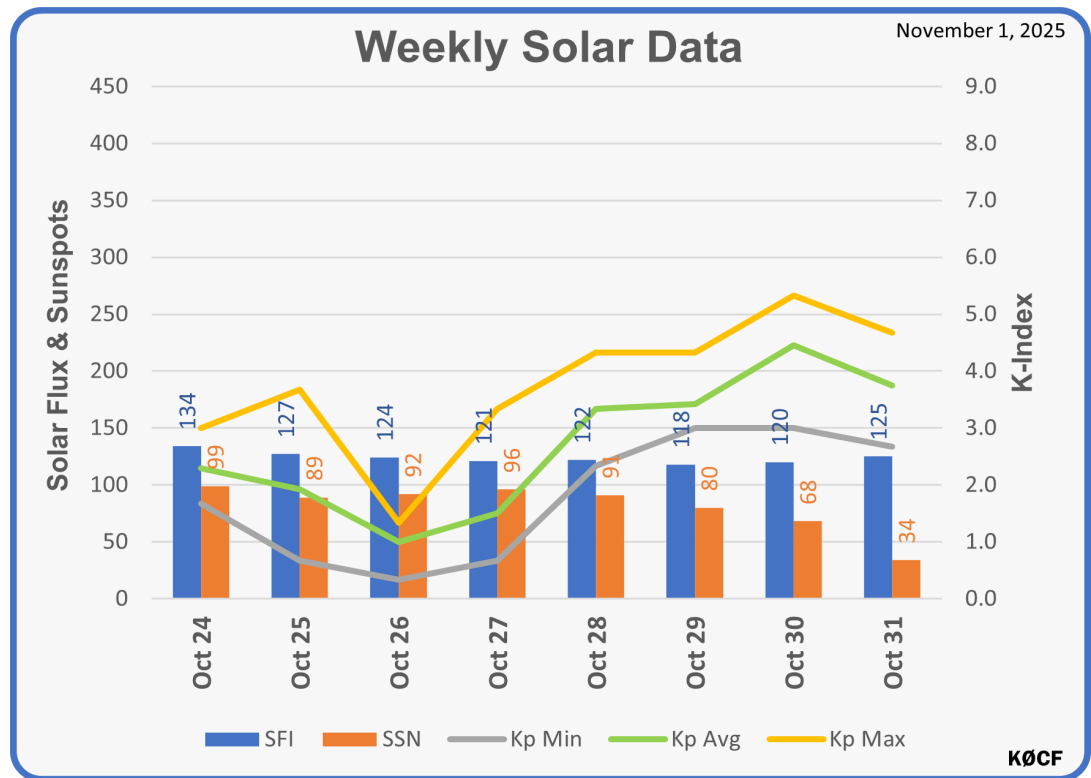
ZC4, UK SOVEREIGN BASE AREAS ON CYPRUS. Dave, G4WXJ, will be QRV as **ZC4RH** from Dhekelia from **November 3rd to 7th**. Activity will be holiday style on 40 to 6 meters using FT8 and FT4. QSL via [ClubLog's OQRS](#), [DK6SP](#), or LoTW.

-[ARRL DX Bulletin # 44 October 30, 2025] (1031-1107)

ZL7, CHATHAM IS. Stan, LZ1GC will be active as **ZL7/LZ1GC** from the Chatham Islands (OC-038) on **November 3rd-20th**. He will operate CW, SSB and FT8/FT4 on 160-10 meters with two working stations, on different bands and modes (one on digital modes and another one on CW/SSB). See <http://www.c21gc.com> for more information and updates. QSL via [ClubLog's OQRS](#) (preferred) or via [LZ1GC](#).

-[425DXN # 1797 October 11, 2025] (1031-1121)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

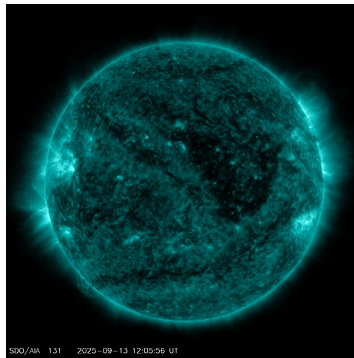
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, October 24th through yesterday, October 31st.

The average solar flux was 122, down 17 points from the previous week, with a weekly high of 134 on Friday, October 24th, followed by a low of 118 on October 29th.

The average sunspot count was 79, down by 26 from last week, peaking at 99 on Friday, October 24th followed by a weekly low of 34 on October 31st.

The Planetary K-index weekly average was 3.7 with a maximum of 5.3 on Thursday, October 30th, indicating a minor geomagnetic storm. Yesterday's K-index maximum was 4.7 with generally quiet conditions.

Solar flare activity since October 25th has been quiet with no major flares.

Propagation Data

Major solar flares, Saturday, October 25th through 1630 UTC, November 1st.

#	Date	UTC	Mag.
None Reported			

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Nov 1	5%	1%	125
Nov 2	10%	1%	130
Nov 3	10%	1%	132

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on October 27, 2025).

Date	Flux	Kp
Nov 1	130	3
Nov 2	130	2
Nov 3	135	2
Nov 4	140	2

Date	Flux	Kp
Nov 5	140	2
Nov 6	140	3
Nov 7	140	4
Nov 8	145	5

Date	Flux	Kp
Nov 9	150	5
Nov 10	155	3
Nov 11	160	3
Nov 12	165	2

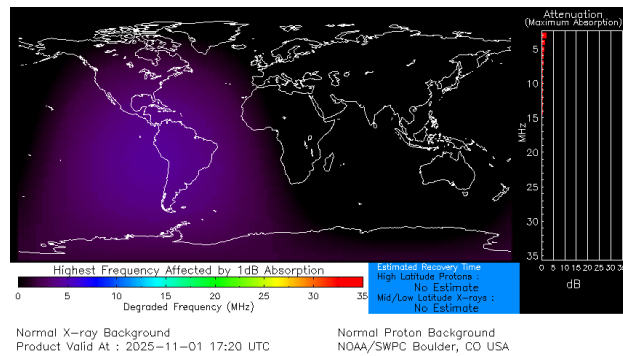
Farside Sunspots Are Coming

Helioseismic maps of the sun's farside reveal [three sunspots](#) only days away from turning toward Earth. One of them has been busy hurling CMEs into space ([#1](#), [#2](#), [#3](#)). If this activity continues apace, Earth will soon be in the line of fire.

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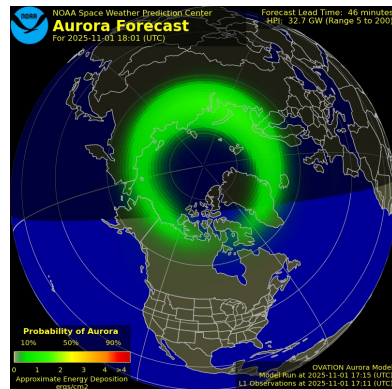
Global D Region Absorption

Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by "back-scatter" and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of aurora versus time:



Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.

Sunspots: 382 on August 10, 2024.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

NOAA <https://www.swpc.noaa.gov/>

<https://www.spaceweather.com/>

<https://www.solarham.com/>

<https://dx.gsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

(Compiled from information on NOAA.gov and other sources.)

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
ARRL Sweepstakes Contest, CW	Nov 1	2100Z	Nov 3	0300Z	Rules
WAE DX Contest, RTTY	Nov 8	0000Z	Nov 9	2359Z	Rules
10-10 Int. Fall Contest, Digital	Nov 8	0001Z	Nov 9	2359Z	Rules
JIDX Phone Contest	Nov 8	0700Z	Nov 9	1300Z	Rules
OK/OM DX Contest, CW	Nov 8	1200Z	Nov 9	1200Z	Rules
ARRL Sweepstakes Contest, SSB	Nov 15	2100Z	Nov 17	0300Z	Rules
LZ DX Contest	Nov 22	1200Z	Nov 23	1200Z	Rules
North American SSB Sprint Contest	Nov 23	0000Z	Nov 23	0400Z	Rules
CQ Worldwide DX Contest, CW	Nov 29	0000Z	Nov 30	2400Z	Rules
ARRL 160-Meter Contest	Dec 5	2200Z	Dec 7	1600Z	Rules
ARRL 10-Meter Contest	Dec 13	0000Z	Dec 14	2359Z	Rules

ARRL Rookie Roundup, CW	Dec 21	1800Z	Dec 21	2359Z	Rules
RAC Winter Contest	Dec 27	0000Z	Dec 27	2359Z	Rules
Stew Perry Topband Challenge	Dec 27	1500Z	Dec 28	1500Z	Rules
RAEM Contest	Dec 28	0000Z	Dec 28	1159Z	Rules
ARRL Kids Day	Jan 3	1800Z	Jan 3	2359Z	Rules
ARRL RTTY Roundup	Jan 3	1800Z	Jan 4	2400Z	Rules
North American QSO Party, CW	Jan 10	1800Z	Jan 11	0600Z	Rules
North American QSO Party, SSB	Jan 17	1800Z	Jan 18	0600Z	Rules
ARRL January VHF Contest	Jan 17	1900Z	Jan 19	0359Z	Rules
CQ 160-Meter Contest, CW	Jan 23	2200Z	Jan 25	2159Z	Rules
REF Contest, CW	Jan 24	0600Z	Jan 25	1800Z	Rules

(Contest data courtesy of the [WA7BNM Contest Calendar](#))